ACTA RADIOLOGICA

FOUNDED IN 1921 BY GÖSTA FORSSELL

PUBLISHED BY THE SOCIETIES OF MEDICAL RADIOLOGY IN DENMARK, FINLAND, NORWAY AND SWEDEN

DIAGNOSIS

MEDICAL IMAGING AND PHYSIOLOGIC RADIOLOGY

EDITOR
ERIK LINDGREN

ASSOCIATE EDITORS
ULF RUDHE ULF BERGVALL

EDITORIAL BOARD

Denmark G. Thomsen, S. Kaae
Finland P. Virtama, L. R. Holsti
Norway T. Aakhus, E. Poppe
Sweden L.-G. Larsson, G.-F. Saltzman

INDICES

Volume 23 (1982)

SUBJECT INDEX TO VOLUME 23 (1982)—DIAGNOSIS

Neuroradiology

Clinical experience with the objective symmetry detector method for gammaencephalography . . . 1
Effect of levomepromazine on EEG and on clinical side effects after lumbar myelography with metrizamide . . . 111
Measurements of skull size and width of cranial sutures in children . . . 273
Width of the lower spinal canal in children . . . 313
Adverse reactions to myelography with metrizamide in infants, children and adolescents—I—General and CNS effects . . . 323
Adverse reactions to myelography with metrizamide in infants, children and adolescents—II–Local injury caused by lumbar puncture and injection of contrast medium . . . 331
Computed tomography in diagnosis of intracranial tumors versus tubers in tuberous sclerosis . . . 337
Cerebral angiography with iohexol . . . 529

Head and neck

Multidirectional tomography and high resolution CT in lesions of the paranasal sinuses and the pharyngeal cavity . . . 63
Oblique lateral projection of the orbital floor . . . 423

Chest (excl. heart)

Computed tomography of the azygo-oesophageal recess—Normal appearance . . . 225
Diagnosis of bronchial lesions by fiberoptic bronchoscopy combined with bronchography . . . 231
Lobular carcinoma in situ occurring in adenolipoma of the breast . . . 503
Candida albicans pneumonia . . . 507
Effects of Amipaque on rabbit lung—Comparison with barium and Gastrografin . . . 553
Computed tomography of pulmonary metastases . 617
Pulmonary airflow obstruction following lymphography . . . 639

Heart and vessels (incl. lymphatic vessels)

Calculation of left ventricular volume using implanted tantalum markers . . . 7
Computed tomography, ultrasound and lymphography in the diagnosis of malignant lymphoma . 29
Lymphography following complete dissections of iliac lymph nodes . . . 43
Vasodilator response in the lower extremity induced by contrast medium—I—Canine model . . . 81
Clinical experience with of ioxaglate in femoral angiography . . . 87
Clinical angiography with balloon catheter . . . 93
Arterial anatomy of the upper extremity . . . 115
Malignant occlusion of the coeliac axis . . . 123
Pyelorenal backflow in rabbits following clamping of the renal vein and artery . . . 143
Experimental fibrous renal artery stenosis dilated by balloon catheter . . . 177
Vasodilator response in the lower extremity induced by contrast medium—II–Humans . . . 185
Intravenous arteriography in the preoperative evaluation of atherosclerosis . . . 193
Thermography and phlebography in the detection of incompetent perforating veins . . . 199
Pre- and postoperative abdominal examination in testicular carcinoma . . . 203
Adrenal vein catheterization—Anatomic considerations . . . 345
Computed tomography and angiography in pancreatic apudomas and cystadenomas . . . 365
Balloon catheter dilatation of stenotic renal artery anastomoses—Experiments in the pig . . . 373
Vasodilator response in the lower extremity induced by contrast medium—III—Before and after transluminal angioplasty . . . 381
Pain and hemodynamic effects in aortofemoral angiography—Comparison of iohexol, ioxaglate and metrizamide . . . 389
Electrocoagulation—Experimental intra-arterial electrolysis . . . 459
Myocardial accumulation of $^{99}Tc^{m}$-pyrophosphate and $^{99}Tc^{m}$-gluconate compared with morphologic findings in daunorobucin treated rabbits . . . 463
Normal anatomy of the pyloric branch and its diagnostic significance in angiography . . . 479
Preoperative angiography in patients with bone metastases . . . 485
Cerebral angiography with iohexol . . . 529
Tolerability and usefulness of iohexol in cardioangiography . . . 535
Coronary angiography with iopamidol . . . 545
Iopamidol compared with Conray in peripheral angiography . . . 549
Computed tomography and angiography in hepatocellular carcinoma . . . 573
Computerized quantitation of atherosclerosis in an experimental model . . . 621
Computed tomography and angiography in the evaluation of adrenal diseases . . . 625
Pulmonary airflow obstruction following lymphography . . . 639

Gastrointestinal radiology

Normal and obstructed main bile duct evaluated by a modified ultrasound technique . . . 37
Malignant occlusion of the coeliac axis . . . 123

Assessment of resectability of carcinoma of the head of the pancreas 127
Computed tomography in pancreatic carcinoma . . 131
Necrotizing enterocolitis in a newborn with large colon ulceration 285
Ultrasound assessment of liver veins in congestive heart failure 361
Computed tomography and angiography in pancreatic apudomas and cystadenomas 365
Adverse reactions at intravenous cholegraphy with ioglycamide—Correlation with the level of circulating sex hormones 405
Computed tomography of the normal adrenal gland 433
Computed tomography and ultrasound of the normal pancreas 443
Scintigraphic spleen volume calculation 471
Normal anatomy of the pyloric branch and its diagnostic significance in angiography 479
Computed tomography and angiography in hepatocellular carcinoma 573
Ultrasound and computed tomography of small asymptomatic haemangiomas of the liver 577
Computed tomography and angiography in the evaluation of adrenal diseases 625

Urogenital radiology

Computed tomography in staging of bladder carcinoma 47
Alterations in heart rate and rhythm at urography with sodium diatrizoate 107
Pyelorenal backflow in rabbits following clamping of the renal vein and artery 143
Experimental fibrous renal artery stenosis dilated by balloon catheter 177
Simple renal cysts treated with bismuth phosphate at the diagnostic puncture 209
Assessment of prostatic size with computed tomography 219
Absorbed dose at CT of the kidneys and at urography 245
Nephroblastomatosis 279
Balloon catheter dilatation of stenotic renal artery anastomoses—Experiments in the pig 373
Tolerability and diagnostic usefulness of iohexol in urography 491
Interrelationship between metacarpal bone mass and bone mineral content in renal transplant recipients 513
Metastatic tumors to the kidney 585
Computed tomography in staging of kidney tumors 593
Dissolution of bilateral renal calculi via percutaneous nephrostomy 599
Voiding cysto-urethrography with simultaneous pressure-flow measurements 605
Functional bladder neck obstruction 611

Bones and joints (incl. soft tissues)

Computed tomography and angiography in the evaluation of soft tissue tumors of the extremities . . 15
Acute hematogenous osteomyelitis—Early diagnosis with computed tomography 55
Arterial anatomy of the upper extremity 115
Attenuation in human muscle and fat tissue in vivo and in vitro 149
Dose reduction in radiography of the spine in scoliosis 251
Traumatic olecranon bursitis 255
Evaluation of the position of the acetabular component of the total hip prosthesis 259
Coexisting ectrodactyly-ectodermal dysplasia-clefting and prune belly syndromes 287
Longitudinally bracketed diaphyses in young children 293
Ossification anomaly associated with interphalangeal hallux valgus 301
Neonatal osteomyelitis—Findings and prognosis in relation to site of involvement 305
Width of the lower spinal canal in children 313
Anteversion measurements in trochanteric fractures of the femur 409
Percutaneous bone biopsy with a simple punch instrument 415
Computed tomography in hemophilic pseudotumor 453
Preoperative angiography in patients with bone metastases 485
Interrelationship between metacarpal bone mass and bone mineral content in renal transplant recipients 513
Assessment of vertebral osteopenia—Comparison of spinal radiography and dual-photon absorptiometry 517
Radiography of the shoulder after Bristow repair . 523
Aneurysmal bone cyst of the spine 643

Computed tomography

Computed tomography and angiography in the evaluation of soft tissue tumors of the extremities . . 15
Computed tomography, ultrasound and lymphography in the diagnosis of malignant lymphoma . 29
Computed tomography in staging of bladder carcinoma 47
Acute hematogenous osteomyelitis—Early diagnosis with computed tomography 55
Multidirectional tomography and high resolution CT in lesions of the paranasal sinuses and the pharyngeal cavity 63
Computed tomography in pancreatic carcinoma . . 131
Attenuation in human muscle and fat tissue in vivo and in vitro 149
Pre- and postoperative abdominal examination in testicular carcinoma 203
Assessment of prostatic size with computed tomography 219
Computed tomography of the azygo-oesophageal recess—Normal appearances 225
Absorbed doses at CT of the kidneys and at urography 245
Computed tomography in diagnosis of intracranial tumors versus tubers in tuberous sclerosis . . . 337
Computed tomography and angiography in pancreatic apudomas and cystadenomas 365
Computed tomography of the normal adrenal gland 433
Computed tomography and ultrasound of the normal pancreas 443

Computed tomography in hemophilic pseudotumor 453
Computed tomography and angiography in hepatocellular carcinoma 573
Ultrasound and computed tomography of small asymptomatic haemangiomas of the liver 577
Computed tomography in staging of kidney tumors 593
Computed tomography of pulmonary metastases . 617
Computed tomography and angiography in the evaluations of adrenal diseases 625
Imaging of a mobile object at computed tomography 647

Ultrasound

Computed tomography, ultrasound and lymphography in the evaluation of soft tissue tumors of the extremities 29
Normal and obstructed main bile duct evaluated by a modified ultrasound technique 37
Pre- and postoperative abdominal examination of testicular carcinoma 203
Ultrasound assessment of liver and veins in congestive heart failure 361
Ultrasound and computed tomography of small asymptomatic haemangiomas of the liver 577

Nuclear radiology

Clinical experience with the objective symmetry detector method for gammaencephalography . . . 1
Myocardial accumulation of $^{99}Tc^{m}$-pyrophosphate and $^{99}Tc^{m}$-gluconate compared with morphologic findings in daunorubicin treated rabbits 463
Scintigraphic spleen volume calculation 471

Pediatric radiology

Measurements of skull size and width of cranial sutures in children 273
Nephroblastomatosis 279
Necrotizing enterocolitis in a newborn with large colon ulceration 285
Coexisting ectrodactyly-ectodermal dysplasia-clefting and prune belly syndromes 287
Longitudinally bracketed diaphyses in young children 293
Ossification anomaly associated with interphalangeal hallux valgus 301
Neonatal osteomyelitis—Findings and prognosis in relation to site of involvement 305
Width of the lower spinal canal in children 313
Adverse reactions to myelography with metrizamide in infants, children and adolescents—I—General and CNS effects 323
Adverse reactions to myelography with metrizamide in infants, children and adolescents—II—Local injury caused by lumbar puncture and injection of contrast medium 331

Experimental radiology

Vasodilator response in the lower extremity induced by contrast medium—I—Canine model 81
Pyelorenal backflow in rabbits following clamping of the renal vein and artery 143
Attenuation in human muscle and fat tissue in vivo and in vitro 149
Experimental fibrous renal artery stenosis dilated by balloon catheter 177
Balloon catheter dilatation of stenotic renal artery anastomoses—Experiments in the pig 373
Electrocoagulation—Experimental intra-arterial electrolysis 459
Myocardial accumulation of $^{99}Tc^{m}$-pyrophosphate and $^{99}Tc^{m}$-gluconate compared with morphologic findings in daunorubicin treated rabbits 463
Effects of Amipaque on rabbit lung—Comparison with barium and Gastrografin 553
Computerized quantitation of atherosclerosis in an experimental model 621

Contrast media

Changes in the rheologic properties of blood as induced by ioxaglate compared with diatrizoate and metrizamide 71
Vasodilator response in the lower extremity induced by contrast medium—I—Canine model 81
Clinical experience of ioxaglate in femoral angiography 87
Alterations in heart rate and rhythm at urography with sodium diatrizoate 107
Effect of levomepromazine on EEG and on clinical side effects after lumbar myelography with metrizamide 111
Vasodilator response to the lower extremity induced by contrast medium—II—Humans 185
Absorption of intraperitoneally injected Amipaque in the rabbit 235
Binding of metrizamide to human serum proteins . 239
Adverse reactions to myelography with metrizamide in infants, children and adolescents—I—General and CNS effects 323
Adverse reactions to myelography with metrizamide in infants, children and adolescents—II—Local injury caused by lumbar puncture and injections of contrast medium 331
Vasodilator response in the lower extremity induced by contrast medium—III—Before and after transluminal angioplasty 381
Pain and hemodynamic effects in aortofemoral angiography—Comparison of iohexol, ioxaglate and metrizamide 389
Ionic and non-ionic contrast media interaction with anticoagulant drugs 401
Adverse reactions at intravenous cholegraphy with ioglycamide—Correlation with the level of circulating sex hormones 405
Tolerability and diagnostic usefulness of iohexol in urography 491
Release of protein bound progesterone in human serum by ioglycamide 497
Cerebral angiography with iohexol 529
Tolerability and usefulness of iohexol in cardioangiography 535
Coronary angiography with iopamidol 545

Iopamidol compared with Conray in peripheral angiography 549
Effects of Amipaque on rabbit lung—Comparison with barium and Gastrografin 553
Contrast media induced serotonin release in human blood 561
Ioglycamide induced release of testosterone and estradiol from protein bound stores 567

Technique

Image distortion in rotational panoramic radiography—V—Object morphology; inner structures . 59
Image distortion in rotational panoramic radiography—VI—Distortion effects in sliding systems . 153
Boundaries in the radiographic image—II—Representation of the object as boundary circuits in the image 161
Evaluation of the position of the acetabular component of the total hip prosthesis 259
Contrast levelled copies of radiographic films for printing 265
Percutaneous bone biopsy with a simple punch instrument 415
Electrocoagulation—Experimental intra-arterial electrolysis 459
Imaging of a mobile object at computed tomography 647
Percutaneous needle biopsy 653

Book reviews

Computer-assisted cardiac nuclear medicine 79
Craniofacial and upper cervical arteries—Functional, clinical and angiographic aspects 80
Pelvic and abdominal veins—Progress in diagnostics and therapy 271
Angiography in trauma—A work atlas 272

LIST OF AUTHORS

Ädelroth E. 231
Ahlbäck S. 265
Ahlberg Å. 453
Ahlberg N.-E. 47, 463
Ahlgren P. 529
Al-Hariri J. A. 503
Amundsen P. 529
Andersen P. E. 251
Andersen Jr P. E. 251, 639
Andersen J. T. 605, 611
Andersson S. 409
Andresen J. 513
Andrew E. 535
Anstadius T. 459
Armstrong E. 323, 331
Aspelin P. 193
Asmussen M. 43

Bankvall G. 245
Bastholt L. 639
Bergan A. 131
Bergdahl S. 305
Berthelsen B. 517
Björk L. 545, 549
Blichert-Toft M. 503
Boetes C. 599
Braunschweig J. 71
Burman L.-Å. 507

Calissendorff B. 47
Canoso J. J. 255
Carlsson Å. S. 259
Carstam N. 293
Chuang S. H. 323, 331
Cohen M. D. 235, 553
Cronqvist S. 529

Dahlström K. 529, 535
Danielsson L. G. 301
Davies R. 107
Davis P. L. 7
Dorph S. 143
Dugstad G. 529
Dyreborg U. 503

Edholm P. 161
Egeblad M. 491
Egund N. 409
Ekelund L. 15, 177, 245, 373
Ekengren K, 305
Ekman P. 219
Elle B. 639
El-Sherief M. A. 345, 433, 625
Erasmie U. 273
Ericson K. 1
Erikson U. 621
Eriksson M. 305

Fareed J. 401, 561
Fitz C. R. 323, 331
Foerster J. M. 185, 381
Froeling P. 599

Genell S. 123
Gentz C.-F. 259
Gustafsson M. 245

Hadidi A. 37
Hagberg H. 29, 203
Hald J. K. 55
Harwood-Nash D. C. F. 323, 331
Hedman A. 361
Heilo A. 617
Hellekant C. 193
Henrik-Nielsen R. 503
Helmius G. 621
Hemmingsson A. 29, 127, 149, 203, 433, 621, 625, 647
Henriksson L. 361
Henriksson P. 287
Herrlin K. 15, 409
Heslet L. 639
Hietala S.-O. 231, 507, 585
Holcroft J. W. 185, 381
Holm J. 199
Holmin T. 373
Holtås S. 529
Hori S. 479

Isberg B. 463
Ishida O. 479
Ivarsson S. 287
Iwai T. 87

Jacobsen O. 605, 611
Jacobson G. 127
Jacobsson H. 415
Jagenburg R. 491
Jaschke W. 593
Jensen R. 93
Johansen C. C. 423
Johansson A. 149
Johansson R. 361
Johansson R. 549
Johnell O. 485
Jonsson K. 123, 177, 193, 485
Jönsson L. 459
Jonsson M. 507
Jonsson N. 373

Kaick van G. 593
Kairaluoma M. 577
Karlsson S. 115, 193
Knutrud O. 279
Kolbenstvedt A. 43, 491
Kolmannskog F. 131, 365, 443, 573
Kooy van der P. 251
Körner L. 523
Krølner B. 517
Kuroda C. 479

Lähde S. 577
Lamm C. R. 523
Lantz B. M. T. 81, 185, 381
Larsen S. 131, 443
Laurin S. 423
Lawton G. 107
Leinonen A. 577
Lepuschütz H. 63
Levorstad K. 491, 535
Lien H. H. 225
Lind M. 1
Lindberg H. O. 259
Lindgren P. G. 29, 127, 203, 653
Lindstedt E. 177, 373
Lindström K. 361
Link D. P. 81, 185, 381
Lipton M. J. 7
Lönnerholm T. 127
Lörelius L. E. 127, 625
Lund G. 225, 617
Lundberg B. 273
Lundervold A. 529
Lundgren R. 231

Magnusson A. 29, 203, 647
Marklund T. 313
Mattsson O. 471
McDavid W. D. 153
Meinke W. B. 381
Mendiola H. 503
Messmore H. L. 401
Mine H. 87
Moncada R. 401, 561
Morris C. R. 153
Mortensson W. 285
Myllylä V. 577

Nakamura H. 479
Niechajev I. A. 115
Nielsen H. E. 513
Nilsson P. 389
Nordgren C. E. 127
Nordshus T. 279
Nybonde T. 265
Nyman U. 389

Oftedal S.-I. 111
Ohlsén H. 219
Okamura J. 479
Oldbring J. 491
Olsen S. 143
Olsson L. 535
Oppedal B. 279
Orning O. 535

Palmtag H. 593
Pamilo M. 577
Parvez Z. 401, 561
Paul Ch. 463
Peter S. 593
Pettersson H. 259, 323, 331, 453
Phillips T. 107
Pors Nielsen S. 517
Presthus J. 529

Raff G. L. 7
Rajs J. 463
Rauschning W. 149
Rausing A. 293
Renaa T. 529
Ringertz H. G. 7, 219, 273
Ruhn G. 621
Rust R. J. 235, 553
Rydberg J. 265
Rydholm A. 15

Sachs Ch. 1
Sager E. M. 43
Sager W.-D. 63
Saini M. 255
Samuelsson L. 459
Saridakes G. 643
Sato T. 479
Schneider G. 63
Schrumpf E. 131, 365
Selin K. 535, 545
Selstam G. 567
Simonsen S. 535
Singounas E. 643
Sjöberg S. 491
Skalpe I. 529
Skrede M. 535
Smevik B. 573
Södergård R. 567
Sommerfelt S. Chr. 491
Stake G. 279
Standnes B. 111
Stäubli M. 71
Stridbeck H. 177, 373
Strijk S. P. 599
Sudmann E. 55
Suramo I. 577
Suzuki S. 87
Svahn G. 245
Svahn U. 463
Sveen K. 491
Swensen T. 443

Theander G. 287, 293, 301
Thomsen H. S. 143
Thrane Nielsen N. 491
Tillmann U. 71
Tokunaga K. 479
Tronje G. 59, 153
Tsioulias A. 643
Tylén U. 535

Uchida H. 479
Udén R. 265
Ulbright T. M. 553

Valnes K. 365
Vatn M. H. 443
Volikas Z. 643

Wahlqvist L. 585
Wallin J. 545
Wallöe A. 409
Wattsgård C. 123
Weber H. 111
Welander U. 153
Westergren A. 389
Wijkström H. 47
Winter J. 337
Wirell S. 239, 405, 497, 567
Wojciechowski J. 199, 549

Yoshioka H. 479

Zachrisson B. E. 491, 523
Zachrisson B. F. 199
Zachrisson L. 209

CONTENTS OF VOLUME 23 (1982)—DIAGNOSIS

Clinical experience with the objective symmetry detector method for gammaencephalography
CH. SACHS, K. ERICSON and M. LIND 1
Calculation of left ventricular volume using implanted tantalum markers—A method reproducible despite rotation of the heart
P. L. DAVIS, G. L. RAFF, M. J. LIPTON and H. G. RINGERTZ 7
Comparison of computed tomography and angiography in the evaluation of soft tissue tumors of the extremities
L. EKELUND, K. HERRLIN and A. RYDHOLM . . 15
Computed tomography, ultrasound and lymphography in the diagnosis of malignant lymphoma
A. MAGNUSSON, H. HAGBERG, A. HEMMINGSSON and P. G. LINDGREN 29
Normal and obstructed main bile duct evaluated by a modified ultrasound technique
A. HADIDI 37
Lymphography following complete dissection of iliac lymph nodes
E. M. SAGER, M. ASMUSSEN and A. KOLBENSTVEDT 43
Computed tomography in staging of bladder carcinoma
N. E. AHLBERG, B. CALISSENDORFF and H. WIJKSTRÖM 47
Acute hematogenous osteomyelitis—Early diagnosis with computed tomography
J. K. HALD JR and E. SUDMANN 55
Image distortion in rotational panoramic radiography—V—Object morphology; inner structures
G. TRONJE 59
Multidirectional tomography and high resolution CT in lesions of the paranasal sinuses and the pharyngeal cavity
G. SCHNEIDER, W.-D. SAGER and H. LEPUSCHÜTZ 63
Changes in the rheologic properties of blood as induced by sodium/meglumine ioxaglate compared with sodium/meglumine diatrizoate and metrizamide
M. STÄUBLI, J. BRAUNSCHWEIG and U. TILLMANN 71
Book reviews 79
Vasodilator response in the lower extremity induced by contrast medium—I—Canine model
D. P. LINK and B. M. T. LANTZ 81
Clinical experience of ioxaglate in femoral angiography
S. SUZUKI, H. MINE and T. IWAI 87
Clinical angiography with balloon catheter
R. JENSEN 93
Alterations in heart rate and rhythm at urography with sodium diatrizoate
G. LAWTON, T. PHILLIPS and R. DAVIES 107
Effect of levomepromazine on EEG and on clinical side effects after lumbar myelography with metrizamide
B. STANDNES, S.-I. OFTEDAL and H. WEBER . . 111
Arterial anatomy of the upper extremity
S. KARLSSON and I. A. NIECHAJEV 115
Malignant occlusion of the coeliac axis
K. JONSSON, C. WATTSGÅRD and S. GENELL . . 123
Radiologic assessment of resectability of carcinoma of the head of the pancreas
A. HEMMINGSSON, G. JACOBSON, P. G. LINDGREN, T. LÖNNERHOLM, L. E. LÖRELIUS and C. E. NORDGREN 127
Diagnostic value of computed tomography in pancreatic carcinoma—A comparison with other radiologic methods
F. KOLMANNSKOG, E. SCHRUMPF, A. BERGAN and S. LARSEN 131
Pyelorenal backflow in rabbits following clamping of the renal vein and artery—Radiologic and microscopic investigation
H. S. THOMSEN, S. DORPH and S. OLSEN 143
Attenuation in human muscle and fat tissue in vivo and in vitro
A. HEMMINGSSON, A. JOHANSSON and W. RAUSCHNING 149
Image distortion in rotational panoramic radiography—VI—Distortion effects in sliding systems
G. TRONJE, U. WELANDER, W. D. MCDAVID and C. R. MORRIS 153
Boundaries in the radiographic image—II—Principles for the representation of the object as boundary circuits in the image
P. EDHOLM 161
Experimental fibrous renal artery stenosis dilated by balloon catheter—Long-term results
H. STRIDBECK, K. JONSSON, E. LINDSTEDT and L. EKELUND 177
Vasodilator response in the lower extremity induced by contrast medium—II—Humans
B. M. T. LANTZ, D. P. LINK, J. W. HOLCROFT and J. M. FOERSTER 185
Intravenous arteriography in the preoperative evaluation of advanced atherosclerosis
S. KARLSSON, K. JONSSON, P. ASPELIN and C. HELLEKANT 193
Thermography and phlebography in the detection of incompetent perforating veins

J. WOJCIECHOWSKI, J. HOLM and B. F. ZACHRISSON 199
Pre- and postoperative abdominal examinations in testicular carcinoma
A. MAGNUSSON, H. HAGBERG, A. HEMMINGSSON and P. G. LINDGREN 203
Simple renal cysts treated with bismuth phosphate at the diagnostic puncture
L. ZACHRISSON 209
Assessment of prostatic size with computed tomography—Methodologic aspects
H. OHLSÉN, P. EKMAN and H. RINGERTZ 219
Computed tomography of the azygo-oesophageal recess—Normal appearances
G. LUND and H. H. LIEN 225
Diagnosis of bronchial lesions by fiberoptic bronchoscopy combined with bronchography
R. LUNDGREN, S.-O. HIETALA and E. ÄDELROTH 231
Absorption of intraperiotenally injected Amipaque in the rabbit
M. D. COHEN and R. J. RUST 235
Binding of metrizamide to human serum proteins
S. WIRELL 239
Absorbed doses at CT of the kidneys and at urography
G. BANKVALL, L. EKELUND, M. GUSTAFSSON and G. SVAHN 245
Dose reduction in radiography of the spine in scoliosis
P. E. ANDERSEN JR, P. E. ANDERSEN and P. VAN DER KOOY 251
Traumatic olecranon bursitis—Radiologic observations
M. SAINI and J. J. CANOSO 255
Radiologic evaluation of the position of the acetabular component of the total hip prosthesis
H. PETTERSSON, C.-F. GENTZ, H. O. LINDBERG and Å. S. CARLSSON 259
Contrast levelled copies of radiographic films for printing
J. RYDBERG, R. UDÉN, T. NYBONDE and S. AHLBÄCK 265
Book reviews 271
Measurements of skull size and width of cranial sutures in children
U. ERASMIE, B. LUNDBERG and H. RINGERTZ . . 273
Nephroblastomatosis
T. NORDSHUS, G. STAKE, B. OPPEDAL and O. KNUTRUD 279
Necrotizing enterocolitis in a newborn with large colon ulceration—Report of a case
W. MORTENSSON 285
Coexisting ectrodactyly-ectodermal dysplasia-clefting (EEC) and prune belly syndromes—Report of a case
S. IVARSSON, P. HENRIKSSON and G. THEANDER 287
Longitudinally bracketed diaphyses in young children—Radiologic-histopathologic correlation
G. THEANDER, N. CARSTAM and A. RAUSING . . 293
Ossification anomaly associated with interphalangeal hallux valgus
G. THEANDER and L. G. DANIELSSON 301
Neonatal osteomyelitis—Radiographic findings and prognosis in relation to site of involvement
K. EKENGREN, S. BERGDAHL and M. ERIKSSON 305
Relative width of the lower spinal canal in children
T. MARKLUND 313
Adverse reactions to myelography with metrizamide in infants, children and adolescents—I—General and CNS effects
H. PETTERSSON, C. R. FITZ, D. C. F. HARWOOD-NASH, E. ARMSTRONG and S. H. CHUANG . . . 323
Adverse reactions to myelography with metrizamide in infants, children and adolescents—II—Local injury caused by lumbar puncture and injection of contrast medium
H. PETTERSSON, C. R. FITZ, D. C. F. HARWOOD-NASH, S. H. CHUANG and E. ARMSTRONG . . . 331
Computed tomography in diagnosis of intracranial tumors versus tubers in tuberous sclerosis
J. WINTER 337
Adrenal vein catheterization—Anatomic considerations
M. A. EL-SHERIEF 345
Ultrasound assessment of liver veins in congestive heart failure
L. HENRIKSSON, A. HEDMAN, R. JOHANSSON and K. LINDSTRÖM 361
Computed tomography and angiography in pancreatic apudomas and cystadenomas
F. KOLMANNSKOG, E. SCHRUMPF and K. VALNES 365
Balloon catheter dilatation of stenotic renal artery anastomoses—Experiments in the pig
H. STRIDBECK, T. HOLMIN, N. JONSSON, E. LINDSTEDT and L. EKELUND 373
Vasodilator response in the lower extremity induced by contrast medium—III—Before and after percutaneous transluminal angioplasty
D. P. LINK, B. M. T. LANTZ, W. B. MEINKE, J. M. FOERSTER and J. W. HOLCROFT 381
Pain and hemodynamic effects in aortofemoral angiography—Clinical comparison of iohexol, ioxaglate and metrizamide
U. NYMAN, P. NILSSON and A. WESTERGREN . . 389
Ionic and non-ionic contrast media interaction with anticoagulant drugs
Z. PARVEZ, R. MONCADA, H. L. MESSMORE and J. A. FAREED 401
Adverse reactions at intravenous cholegraphy with ioglycamide—Correlation with the level of circulating sex hormones
S. WIRELL 405
Anteversion measurements in trochanteric fractures of the femur
K. HERRLIN, N. EGUND, S. ANDERSSON and A. WALLÖE 409
Percutaneous bone biopsy with a simple punch instrument—Indications, results and complications
H. JACOBSSON 415
Oblique lateral projection of the orbital floor
S. LAURIN and C. C. JOHANSEN 423
Computed tomography of the normal adrenal gland

—Pathologic implications
M. A. EL-SHERIEF and A. HEMMINGSSON 433
Computed tomography and ultrasound of the normal pancreas
F. KOLMANNSKOG, T. SWENSEN, M. H. VATN and S. LARSEN 443
Computed tomography in hemophilic pseudotumor
H. PETTERSSON and Å. AHLBERG 453
Electrocoagulation—Experimental intra-arterial electrolysis
L. SAMUELSSON, L. JÖNSSON and T. ANSTADIUS 459
Myocardial accumulation of $^{99}Tc^{m}$-pyrophosphate and $^{99}Tc^{m}$-gluconate compared with morphologic findings in daunorubicin treated rabbits
N.-E. AHLBERG, CH. PAUL, B. ISBERG, J. RAJS and U. SVAHN 463
Scintigraphic spleen volume calculation
O. MATTSSON 471
Normal anatomy of the pyloric branch and its diagnostic significance in angiography
C. KURODA, H. NAKAMURA, T. SATO, H. YOSHIOKA, K. TOKUNAGA, S. HORI, J. OKAMURA, H. UCHIDA and O. ISHIDA 479
Preoperative angiography in patients with bone metastases
K. JONSSON and O. JOHNELL 485
Tolerability and diagnostic usefulness of iohexol in urography—An open multicentre clinical trial
K. LEVORSTAD, A. KOLBENSTVEDT, S. CHR. SOMMERFELT, B. E. ZACHRISSON, R. JAGENBURG, M. EGEBLAD, N. THRANE NIELSEN, S. SJÖBERG, J. OLDBRING and K. SVEEN 491
Release of protein bound progesterone in human serum by ioglycamide
J. WIRELL 497
Lobular carcinoma in situ occurring in adenolipoma of the breast—Report of a case
H. MENDIOLA, R. HENRIK-NIELSEN, U. DYREBORG, M. BLICHERT-TOFT and J. A. AL-HARIRI . 503
Candida albicans pneumonia
S.-O. HIETALA, M. JONSSON and L.-Å. BURMAN 507
Interrelationship between metacarpal bone mass and bone mineral content in renal transplant recipients
J. ANDRESEN and H. E. NIELSEN 513
Assessment of vertebral osteopenia—Comparison of spinal radiography and dual-photon absorptiometry
B. KRØLNER, B. BERTHELSEN and S. PORS NIELSEN 517
Radiography of the shoulder after Bristow repair
C. R. LAMM, B. E. ZACHRISSON and L. KÖRNER 523
Cerebral angiography with iohexol—A multicentre clinical trial
P. AMUNDSEN, G. DUGSTAD, J. PRESTHUS, P. AHLGREN, S. CRONQVIST, S. HOLTÅS, I. SKALPE, A. LUNDERVOLD, K. DAHLSTRÖM and T. RENAA . . 529
Tolerability and usefulness of iohexol in cardioangiography—I—An open multicentre clinical trial
K. LEVORSTAD, S. SIMONSEN, M. SKREDE, O. ORNING, U. TYLÉN, L. OLSSON, K. SELIN, K. DAHLSTRÖM and E. ANDREW 535
Coronary angiography with iopamidol
K. SELIN, J. WALLIN and L. BJÖRK 545
Iopamidol compared with Conray in peripheral angiography
J. WOJCIECHOWSKI, R. JOHANSSON and L. BJÖRK 549
Clinical, radiographic and pathologic effects of Amipaque on rabbit lung—Comparison with barium and Gastrografin
R. J. RUST, M. D. COHEN and T. M. ULBRIGHT 553
Contrast media induced serotonin release in human blood
Z. PARVEZ, R. MONCADA and J. FAREED 561
Ioglycamide induced release of testosterone and estradiol from protein bound stores
S. WIRELL, R. SÖDERGÅRD and G. SELSTAM . . 567
Computed tomography and angiography in hepatocellular carcinoma
B. SMEVIK and F. KOLMANNSKOG 573
Ultrasound and computed tomography of small asymptomatic haemangiomas of the liver
I. SURAMO, S. LÄHDE, M. PAMILO, V. MYLLYLÄ, A. LEINONEN and M. KAIRALUOMA 577
Metastatic tumors to the kidney—A postmortem, radiologic and clinical investigation
S.-O. HIETALA and L. WAHLQVIST 585
Accuracy of computed tomography in staging of kidney tumors
W. JASCHKE, G. VAN KAICK, S. PETER and H. PALMTAG 593
Dissolution of bilateral renal calculi via percutaneous nephrostomy—Report of a case
S. P. STRIJK, C. BOETES and P. FROELING . . . 599
Voiding cysto-urethrography with simultaneous pressure-flow measurements—Technique and findings in healthy elderly males
O. JACOBSEN and J. T. ANDERSEN 605
Functional bladder neck obstruction—Voiding cysto-urethrography and pressure-flow measurements
O. JACOBSEN and J. T. ANDERSEN 611
Computed tomography of pulmonary metastases
G. LUND and A. HEILO 617
Computerized quantitation of atherosclerosis in an experimental model—Arteriography and microdensitometry
G. RUHN, U. ERIKSON, G. HELMIUS and A. HEMMINGSSON 621
Computed tomography and angiography in the evaluation of adrenal disease
M. A. EL-SHERIEF, A. HEMMINGSSON and L.-E. LÖRELIUS 625
Pulmonary airflow obstruction following lymphography
P. E. ANDERSEN JR, L. HESLET, B. ELLE and L. BASTHOLT 639
Aneurysmal bone cyst of the spine—Report of a case
Z. VOLIKAS, E. SINGOUNAS, G. SARIDAKES and A. TSIOULIAS 643
Imaging of a mobile object at computed tomography
A. MAGNUSSON and A. HEMMINGSSON 647
Percutaneous needle biopsy—A new technique
P. G. LINDGREN 653